

STATEMENT  
OF  
WORK  
(SOW)  
FOR THE REBUILD OF THE  
AAV  
CIRCUIT CARD ASSEMBLY  
NSN 5999-01-108-9786  
SOW-01-834-1-88653B-1/1  
Dated 3 APRIL 2000

STATEMENT OF WORK FOR THE REBUILD  
OF THE CIRCUIT CARD ASSEMBLY  
NSN 5999-01-108-9786

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STATEMENT OF WORK FOR THE REBUILD  
OF THE AAV CIRCUIT CARD ASSEMBLY  
NSN 5999-01-108-9786

1.0 SCOPE. This Statement of Work (SOW), along with TM09764A-25&P/4B establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Assault Amphibious Vehicle (AAV) Circuit Card Assembly here after referred to as the Circuit Card Assembly. This document contains minimum requirements to restore the Circuit Card Assembly to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitations or restrictions". National Stock Number (NSN) 5999-01-108-9786 identifies the Circuit Card Assembly

1.1 BACKGROUND. Rebuild is defined as that maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through complete disassembly of the item; inspection of all parts or components, repair or replacement of worn or unserviceable parts using original manufacturing tolerances and/or specifications, and subsequent reassembly of the item.

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-2073-1C

DoD Standard Practice for Military Packaging

MIL-STD-129

DoD Standard Practice for Military Marking

Military Standards (Guidance Only)

MIL-STD-973

Configuration Management

2.2 Other Government Documents and Publications

DoD 4160.21-M

Defense Materiel Disposition Manual

TM 09674A-25&P/4B	Maintenance Instruction and Repair Parts List Organizational, Intermediate and Depot Assault Amphibious Vehicle Model 7A1 Family Of Vehicles and RAM/RS
TM 2350-45	DMA Standard Procedures
TI 4700 45/6B	Installation Of Repair/Overhaul Data Plates- All Equipment End Items, Assemblies and Components
Drawing 6227570	Circuit Card Assembly
DTD	Multi User Engineer Change Proposal Automated Review System (MEARS) Document Type Definitions (DTD)
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

### 2.3 Industry Standards

ANSI/ISO/ASQC Q9003-1994	Quality Systems-Model for Quality Assurance in Final Inspection and Test
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Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Commercial (215) 697-2179 or DSN 442-2179 or <http://www.dodssp.daps.mil>. Copies of handbooks, publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained, in writing, from: Commander, Marine Corps Logistics Bases, Attn: Publication Branch (Code 876), Albany, Georgia 31704-5000, Commercial (912) 439-5818/19, or DSN 567-5818/19. Copies of Drawings and Engineering Change Proposals required by the contractor shall be obtained in writing from Life Cycle Management Center, Attn: (Code 825-3), Marine Corps Logistics Bases, 814 Radford Blvd, STE 20302, Albany, Georgia 31704-3020, Commercial (912) 439-6410 or DSN 567-6410.

## 3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements the contractor shall:

a. Provide materiel, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the Circuit Card Assembly fully operational. Upon completion of the rebuild, the Circuit Card Assembly shall be Condition Code "A".

b. Conduct final-on-site testing which may be witnessed by Marine Corps Logistics Base Albany, Georgia MARCORLOGBASEALB, (Code 834-1) representative at his/her discretion.

c. The contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the Circuit Card Assembly specified in TM 09674A-25&P/4B, TM 2350-45, TI-4700-45/6B, Drawing 6227570, MIL-STD-2073-1C, and MIL-STD-129.

d. Ensure all Circuit Card Assemblies meet the configuration of Naval Sea System Command Drawing 6227570.

e. All mandatory replacement parts identified in TM 09674A-25&P/4B shall be replaced 100%. Economical replacement parts may be reused if they meet the applicable inspection requirements in TM 2350-45. All parts shall be disposed of in accordance with DoD 4160.21-M.

3.2 Detailed Tasks. The following tasks describe the different phases for the rebuild of the Circuit Card Assembly.

#### 3.2.1 Phase I – Rebuild.

The contractor shall receive Circuit Card Assembly for rebuild. The contractor shall then disassemble the Circuit Card Assembly into components and conduct the rebuild process. The contractor shall rebuild components in accordance with the requirements in TM 09674A-25&P/4B and this SOW. The contractor shall be responsible for supplying all equipment, tools, test equipment, and materiel's for the conduct of this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the Circuit Card Assembly is defined by the specifications annotated on the current revision level of Naval Sea System Command drawing 6227570. Upon completion of the rebuild, the Circuit Card Assembly shall be in condition code "A". A Rebuild Data Plate shall be installed in accordance with TI-4700-45/6B.

#### 3.2.2 Phase II – Inspection, Testing, and Acceptance

a. The contractor shall provide a Certificate of Conformance with delivery of the final product attesting the product meets or exceeds the requirements of this SOW. The contractor will correct any deficiencies discovered.

b. Inspection, testing, and acceptance of the Circuit Card Assembly shall be conducted in accordance with TM 09674A-25&P/4B and ANSI/ISO/ASQC Q9003-1994.

### 3.2.3 Phase III- Packaging, Handling, Storage, and Transportation (PHS&T).

a. The contractor shall be responsible for preservation and packaging for items being repaired under the terms of this SOW. Items being prepared for long-term storage or shipment to overseas destinations shall be in accordance with the Level "A" requirements of MIL-STD-2073-1C, Appendix J, Table J.1a., Specialized Preservation Code "GX". Items being prepared for domestic shipment, immediate use, or short-term storage shall be to level "B" requirements. All items subject to electrostatic sensitive discharge shall be packed into a reusable fast-pack container.

b. Marking shall conform to MIL-STD-129.

c. The Marine Corps shall provide the contractor with the shipping address(es) for the delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps shall be responsible for transportation costs associated with shipping the subject equipment to and from the contractor.

### 3.3 Configuration Management

a. The contractor shall apply configuration control to established configuration items. The contractor shall not implement a design or performance change to items without receiving prior authorization from the contracting activity. The need to deviate from the written procedures or materiel's contained in the technical manuals/engineering drawings shall be requested by the electronic submission of a Request for Deviation (RFD)/Request for Waiver (RFW). MIL-STD-973, paragraph 5.4.3 or 5.4.4, provides guidance for preparing these configuration change documents. The contractor shall be furnished with MEARS DTD, and either the associated template for the production of electronic RFD/RFWs or the MEARS CREATE application. All electronic change submissions shall be prepared in accordance with the DTD. Delivery media and formats are contained in the application Contract Data Requirements List (CDRL).

b. The submission of electronic files shall be accomplished by the originator placing the file RFD/RFW files on the MARCORLOGBASEALB shared drive matcomapps05/mears/foaav or equivalent address. The originator shall notify the contracting activity of a RFD residing on applicable server by e-mail. As an alternative to placing the RFD/RFW on the server, the originator may e-mail the document using .zip files.

### 3.4 Government Furnished Equipment (GFE) and Government Furnished Materiel (GFM)

GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into a product being manufactured/remanufactured under a contract/SOW. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA) at MARCORLOGBASEALB (MCA/Code 827-2) will coordinate required GFE and will maintain a central control on Marine assets in the Contractors possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature to establish a chain of custody and property responsibility for Marine Corps assets.

### 3.5 Contractor Furnished Materiel (CFM)

The Marine Corps has adopted the Navy's procedures regarding CFM (NAVICPINST 4491.2A). In the event that CFM is required for repair parts, the contractor may requisition through the DoD Supply System. DoD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

### 3.6 Quality Assurance Provisions

a. The performance of the contractor's quality of work performed, materiel provided and documents written shall be subject to in-process review and inspection by the MARCORLOGBASEALB (Code 834-1) representative during contract performance. Inspection may be accomplished at any work location. The MARCORLOGBASEALB (Code 834-1) representative requires at a minimum, two weeks notice of acceptance test to allow for sufficient time for MARCORLOGBASEALB (Code 834-1) representative to witness the test if he or she desires. Inspection by the MARCORLOGBASEALB (Code 834-1) representative of acceptance tests, materiel and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet the SOW requirements which may be disclosed prior to final acceptance.

b. The contractor shall provide and maintain a Quality System that as a minimum adheres to the requirements of ANSI/ISO/ASQC Q9003-1994. The contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MARCORLOGBASEALB (Code 834-1) representative. Noncompliance with these quality assurance procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such inspection, it shall be the contractor's responsibility to ensure that the entire system meets the performance requirements of this SOW.

#### 4.0 Reports/Documentation

##### 4.1 Reports/Documentation that are required:

- a. The contractor shall provide a Monthly Parts Usage Report on each Circuit Card Assembly. The report shall be sequenced by Master Work Schedule Line Number (MWSLN) and Production Number.
- b. The contractor shall provide a Monthly Production Status Report summarizing the progress and status of the Circuit Card Assembly.



*17 Data from:*

OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
		TDP      TM      OTHER <input checked="" type="checkbox"/>

D. SYSTEM/ITEM Circuit Card Assembly	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Production Status Report	

4. AUTHORITY (Date Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81255	SOW 4.1.1b	MCLBA (834)

7. DD ZFO RLO	8. DIST STATEMENT REQUIRED	10. FREQUENCY MTHLY	12. DATE OF FIRST SUBMISSION See Bk 16	14. DISTRIBUTION COPIES
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8. APP CODE	11. AS OF DATE	12. DATE OF SUBSEQUENT SUBMISSION	13. ADDRESS	14. DRAFT	15. FINAL
A		See Rtk 16			

16. REMARKS			
Contractor format is authorized.	MCLBA (834-1)	0	1 0

Blk 4 - Tailor DI-MGMT-81255 as follows: Delete paragraphs 10.1, 10.2.3, 10.2.5, 10.2.6, and 10.2.9.

In paragraphs 10.2.4 and 10.2.7, replace the word "CLIN" with "MWSLI" (Master Work Schedule Line Item Number.)

**Bkls 10, 12 & 13 -** The report shall be submitted on the 10th of each month. The first submission shall be 30 days after the contract award.

The Production status Report shall be transmitted via E-Mail to the following address: [HoffmanRE@matcom.usmc.mil](mailto:HoffmanRE@matcom.usmc.mil).

**Distribution Statement A:** Approved for public release, distribution is unlimited.

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY <i>RE Hoffman</i>	H. DATE <i>03/16/00</i>	I. APPROVED BY <i>RE Hoffman</i>	J. DATE <i>03/16/00</i>
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(1 Data Item)

Form Approved

OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to: Department of the Interior, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above address. Send completed form to the Government Printing Office for the Solicitor, PH No. 1041-B-0001.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TOP _____ TM _____ OTHER _____ <input checked="" type="checkbox"/>
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D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Circuit Card Assembly		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
B001	Parts Usage Report	

4. AUTHORITY (Data Acquisition Document No.): DI-ILSS-80386	5. CONTRACT REFERENCE SOW 4.1.a	6. REQUIRING OFFICE MLCBA (834)
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7. DD 260 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION							
8. APP CODE	A	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION See Blk 16	a. ADDRESSEE	b. COPIES <table border="1"> <tr> <th colspan="3">Total</th> </tr> <tr> <td>Dist</td> <td>Reg</td> <td>Repro</td> </tr> </table>	Total			Dist	Reg	Repro
Total											
Dist	Reg	Repro									

16. REMARKS Contractor format is authorized.	MCLBA (834-1)	0	1	0
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**Blk 4 - Delete the following paragraphs. These paragraphs do not apply to this deliverable: 10.1, 10.2, 10.2.4, 10.2.5, 10.2.6, 10.2.7, 10.2.8, and 10.2.9.**

**Bids 10, 12 & 13.** The report shall be submitted on the 10th of each month. The first submission shall be 30 days after the contract award.

The Parts Usage Report shall be transmitted via E-Mail to the following address: HoffmanRE@matcom.usmc.mil

**Distribution Statement A:** Approved for public release, distribution is unlimited.

G. PREPARED BY <i>RE Hoffman</i>	H. DATE <i>03/14/00</i>	I. APPROVED BY <i>RE Hoffman</i>	J. DATE <i>03/14/00</i>
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27 October 1999

CMR No. 0724 0100

The public reporting burden for this collection of information is estimated to average 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing the burden, to: Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to:

[illegible]

17. PRICE GROUP

18. ESTIMATED  
TOTAL PRICE

